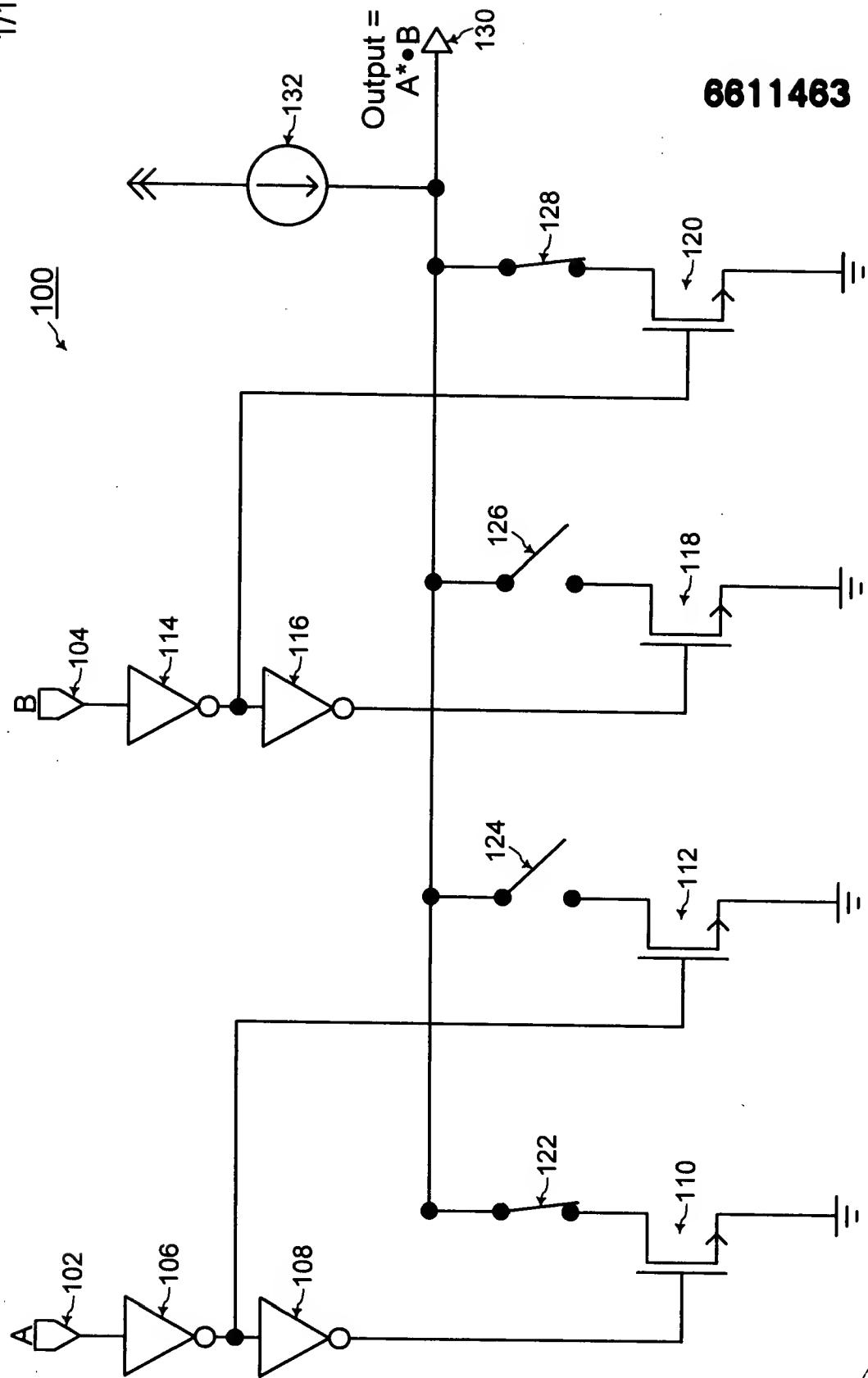


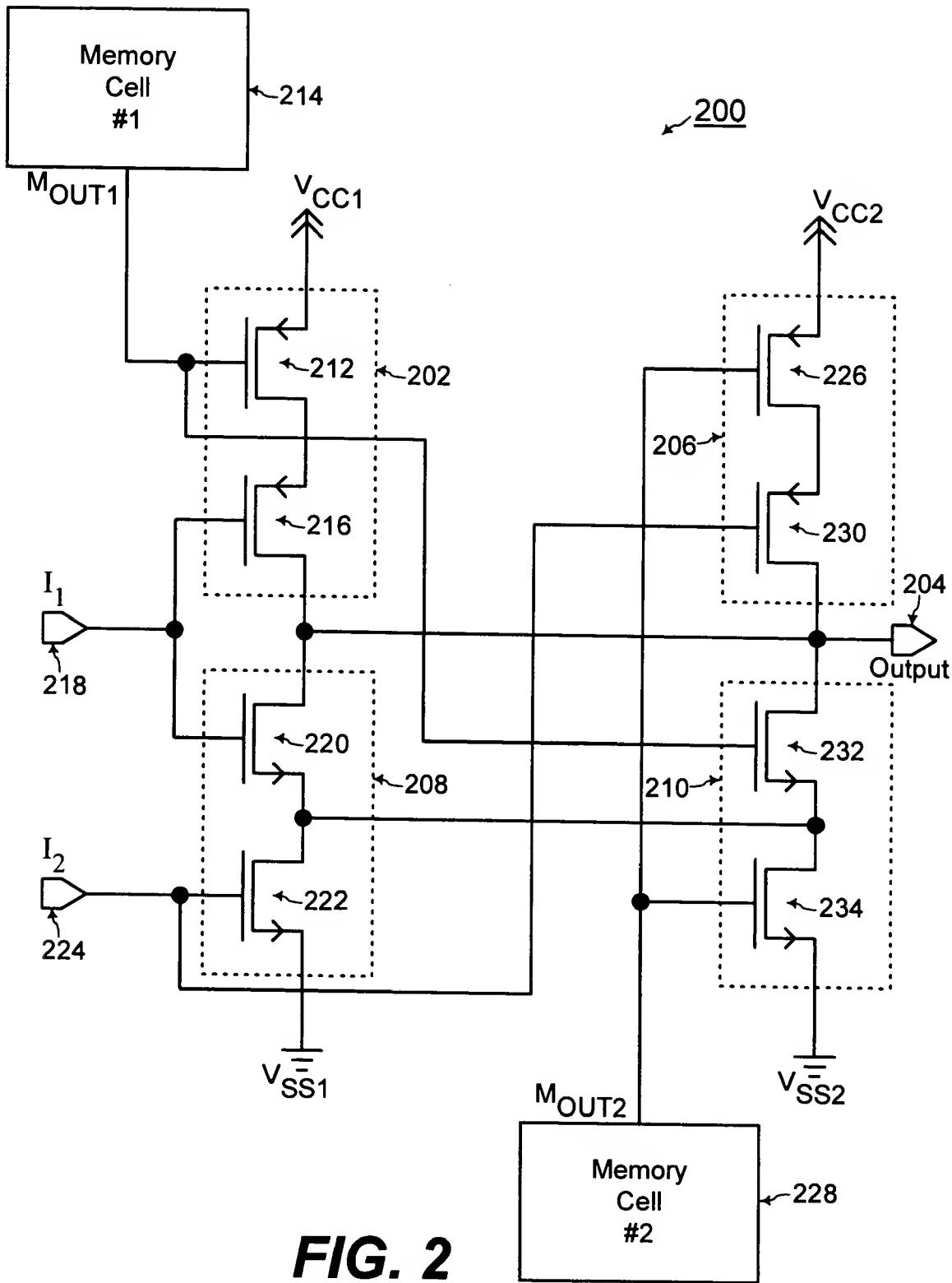
1/12



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FIG. 1 (Prior Art)



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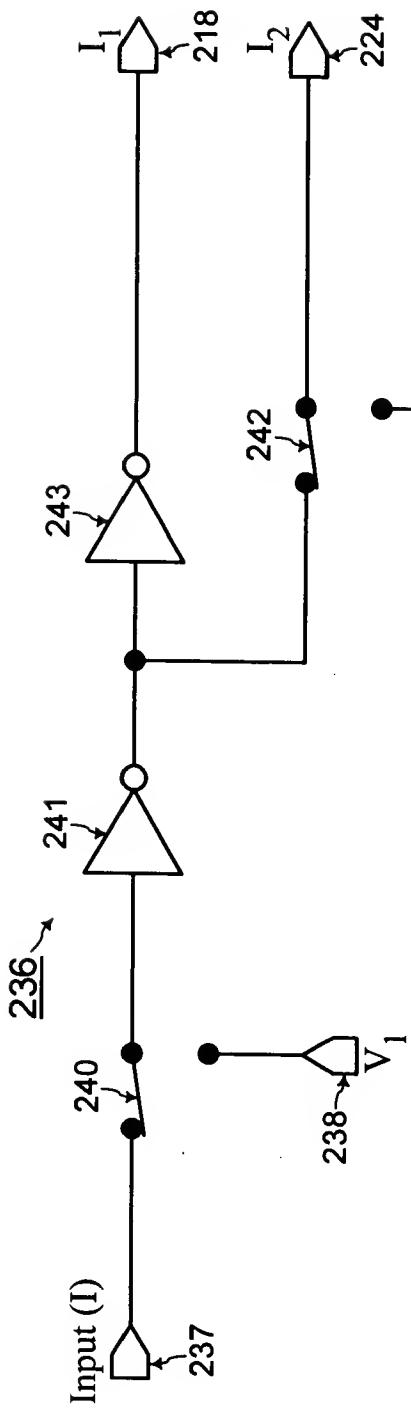


FIG. 3

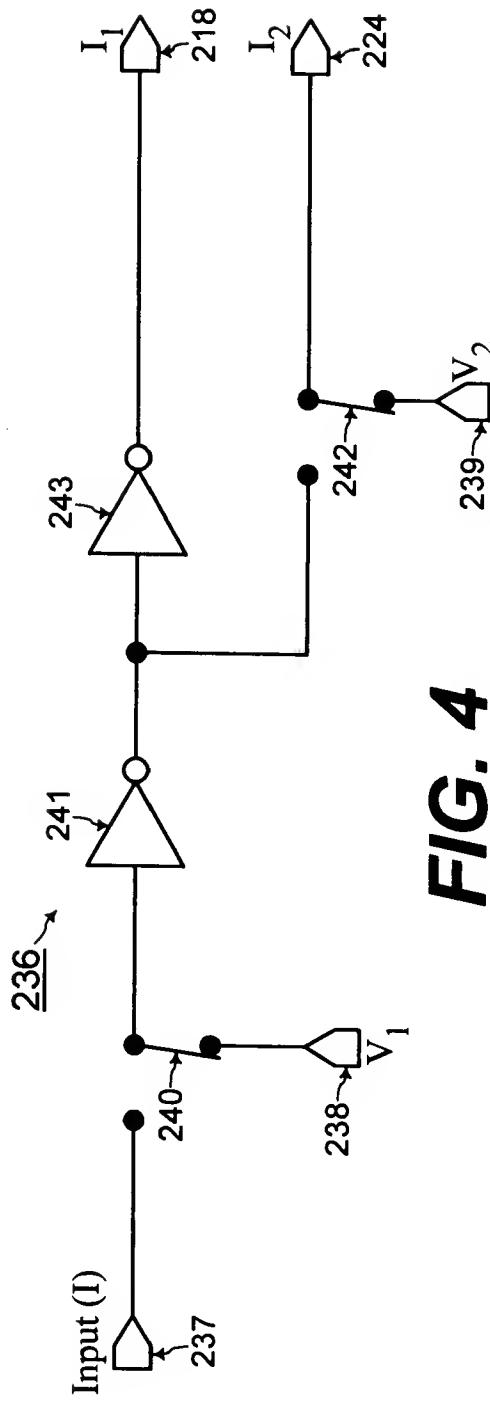


FIG. 4

TOP TO BOTTOM

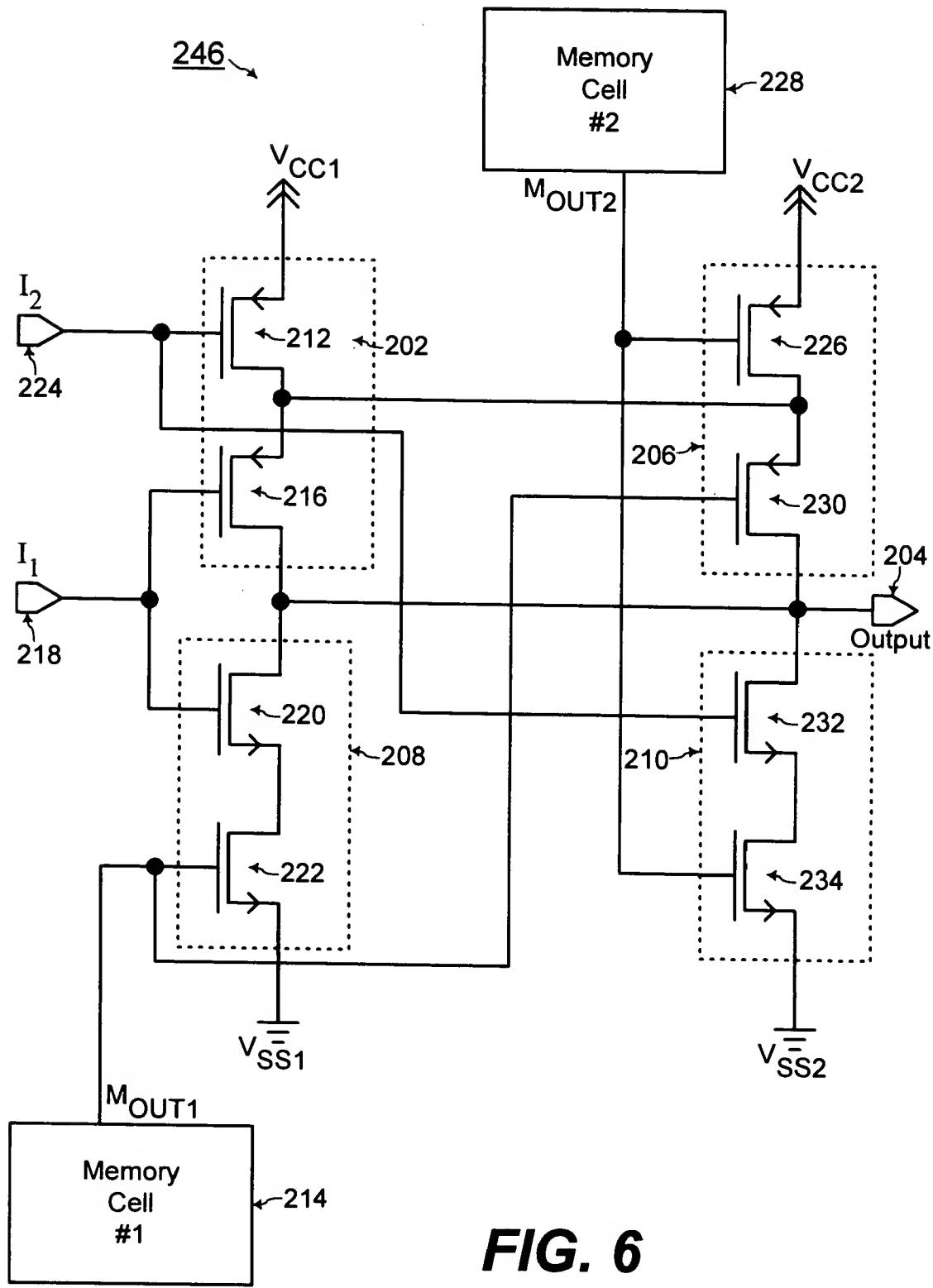
244

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I_1	I_2	M_{OUT1}	M_{OUT2}	Output
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	0
0	1	0	0	1
0	1	0	1	1
0	1	1	0	0
0	1	1	1	0
1	0	0	0	1
1	0	0	1	0
1	0	1	0	1
1	0	1	1	0
1	1	0	0	0
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

FIG. 5

TOPPTE-5426666

**FIG. 6**

TOP TO BOTTOM

I_1	I_2	M_{OUT1}	M_{OUT2}	Output
0	0	0	0	1
0	0	0	1	1
0	0	1	0	1
0	0	1	1	1
0	1	0	0	1
0	1	0	1	0
0	1	1	0	1
0	1	1	1	0
1	0	0	0	1
1	0	0	1	1
1	0	1	0	0
1	0	1	1	0
1	1	0	0	1
1	1	0	1	0
1	1	1	0	0
1	1	1	1	0

FIG. 7

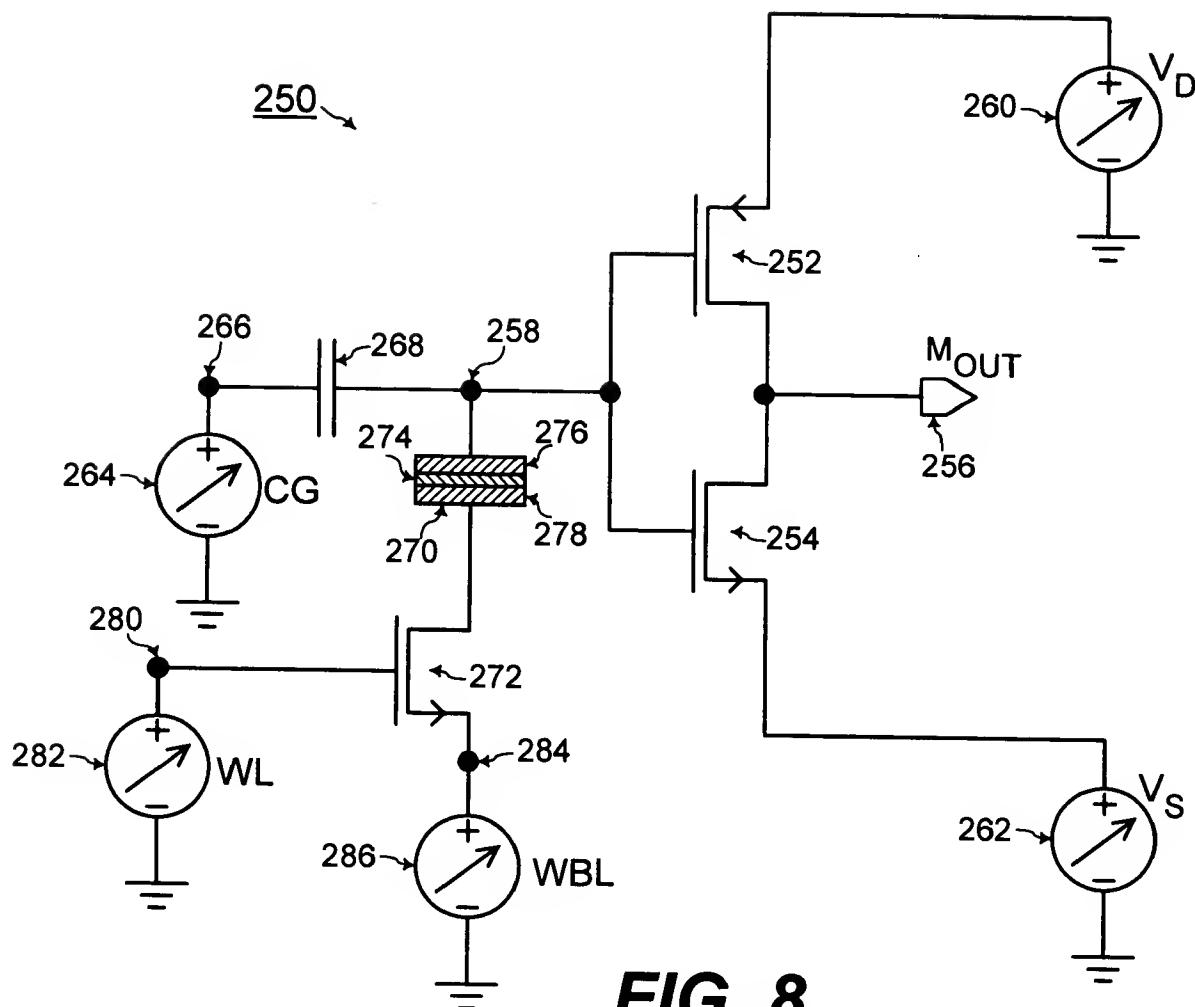
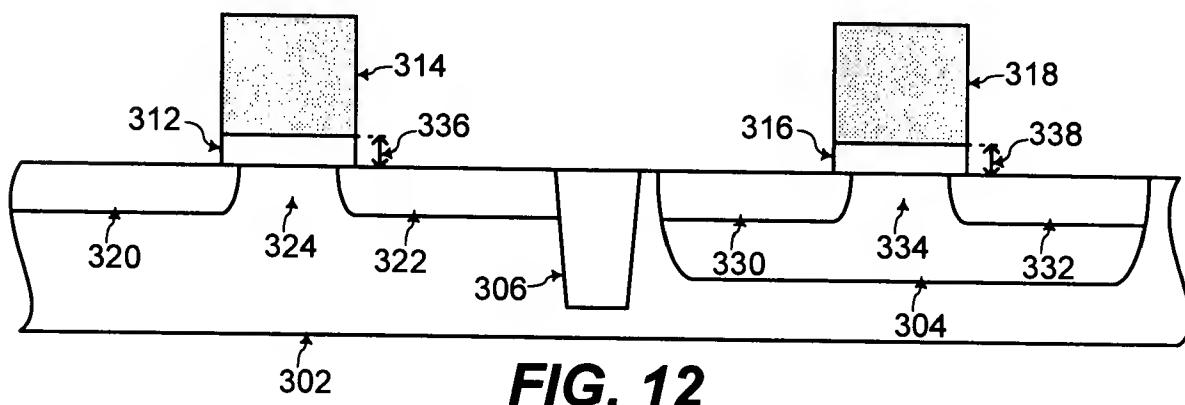
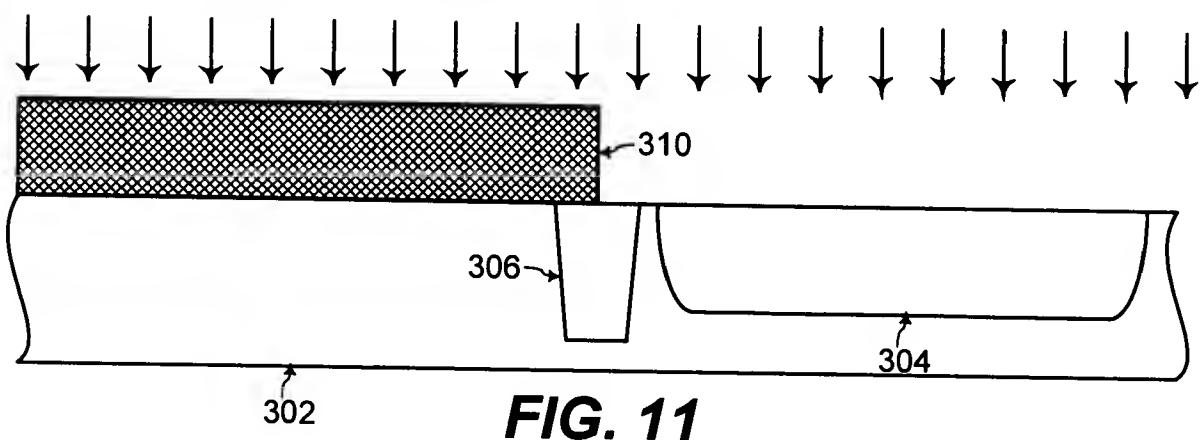
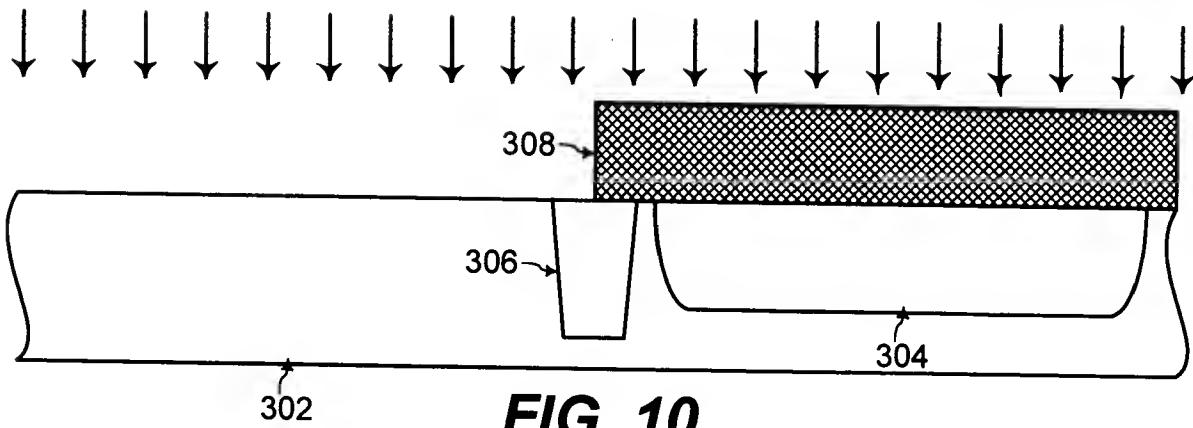
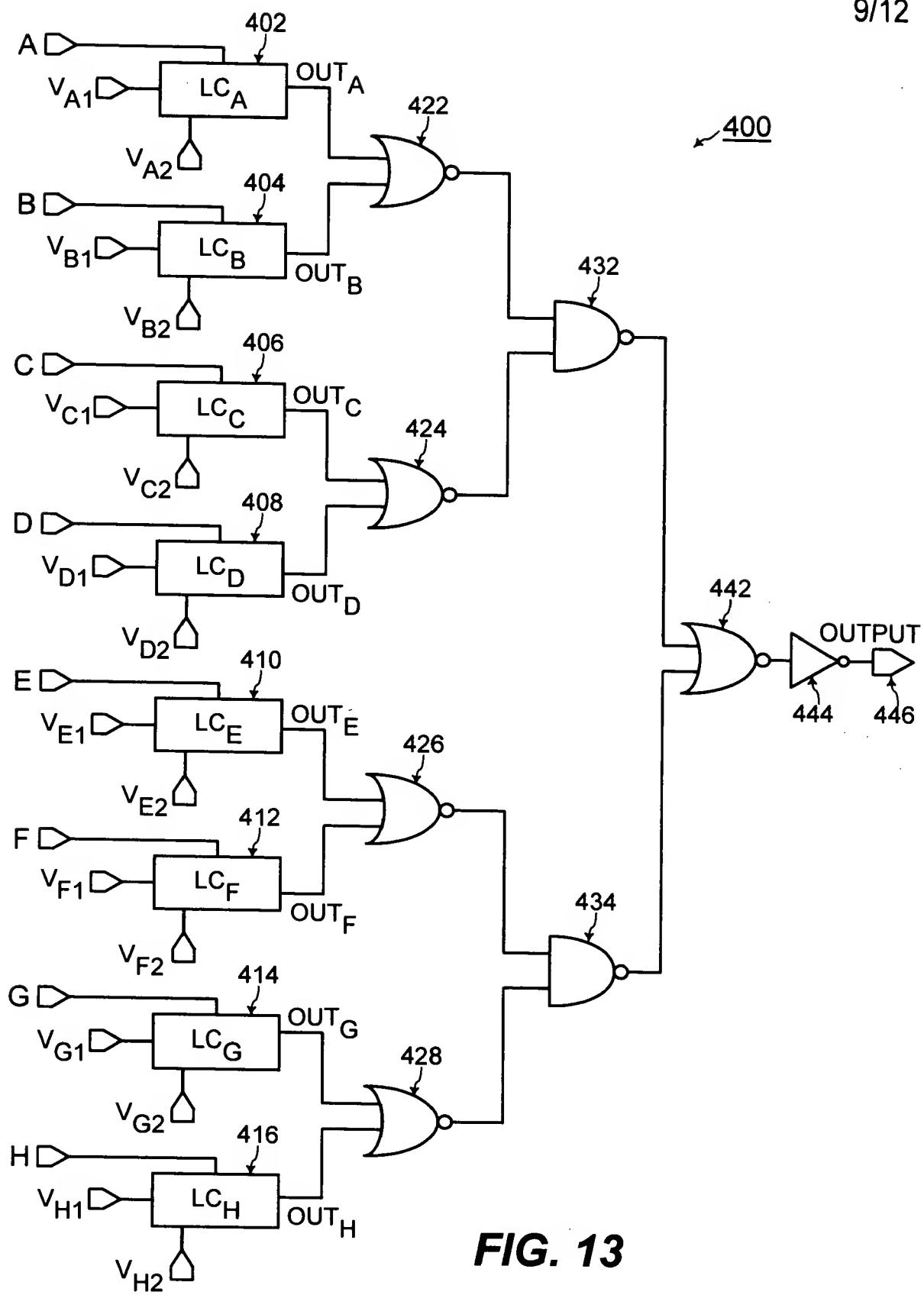


FIG. 8

Operation	CG	WL	WBL	V_D	V_S	M_{OUT}
Erase	$V_{pp+} = 12V$	$V_{dd} = 1.8V$	0V	$V_{dd} = 1.8V$	$V_{dd} = 1.8V$	$V_{dd} = 1.8V$
Program	0V	$V_{pp+} = 12V$	$V_{pp} = 11V$	0V	0V	0V
Read	0.9V	$V_{dd} = 1.8V$	0.9V	$V_{dd} = 1.8V$	0V	V_{dd} or 0V

FIG. 9



**FIG. 13**

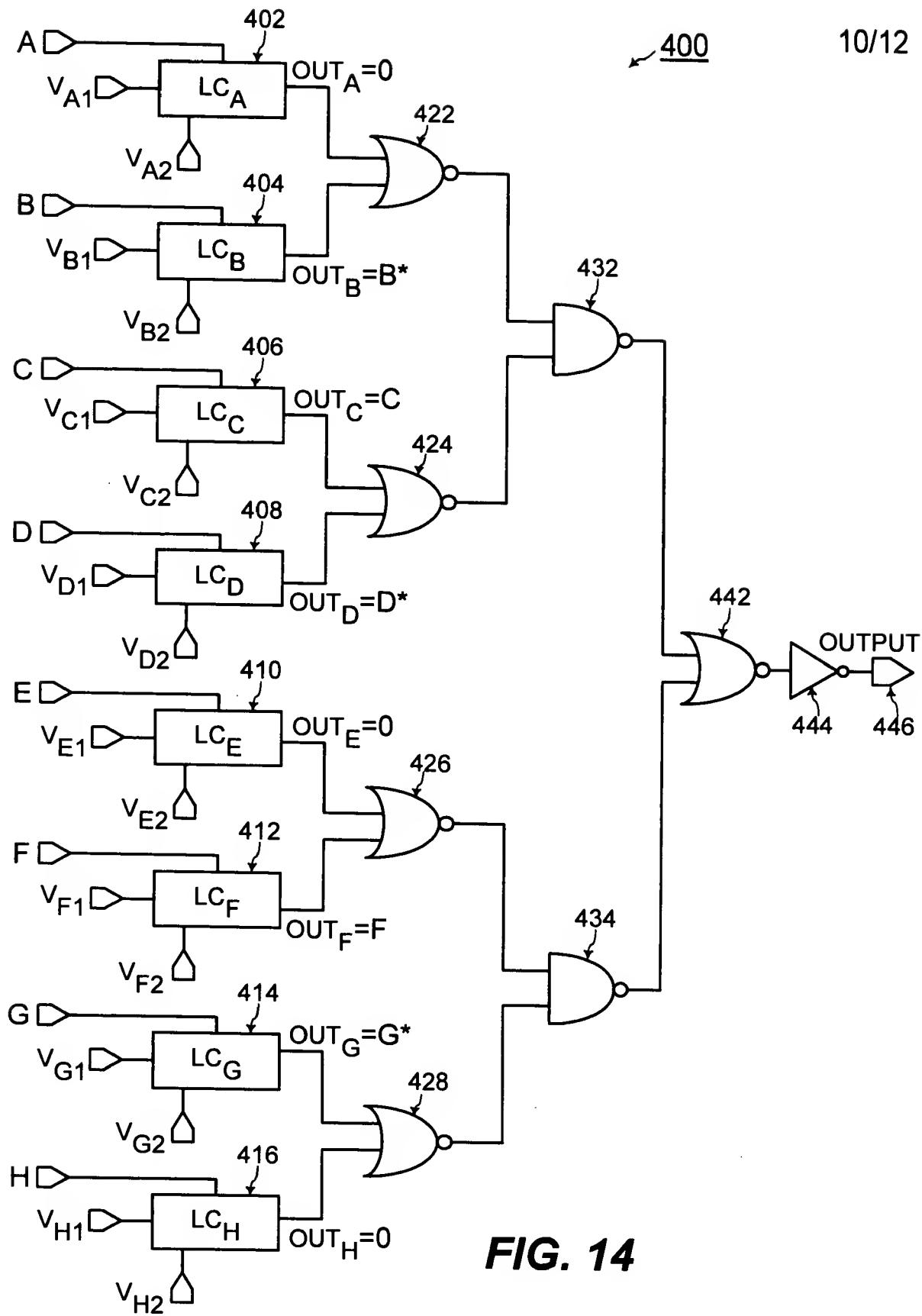


FIG. 14

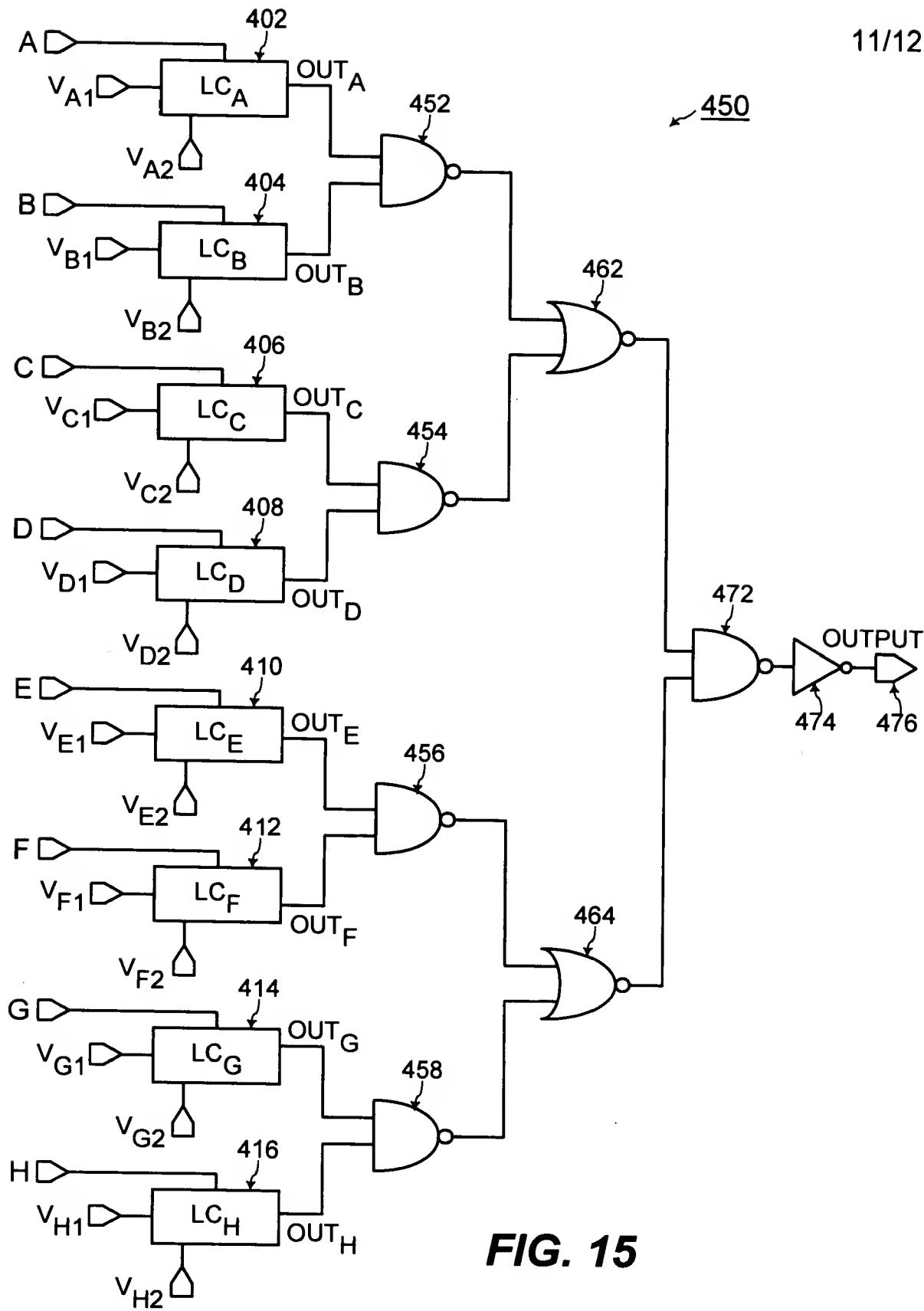


FIG. 15

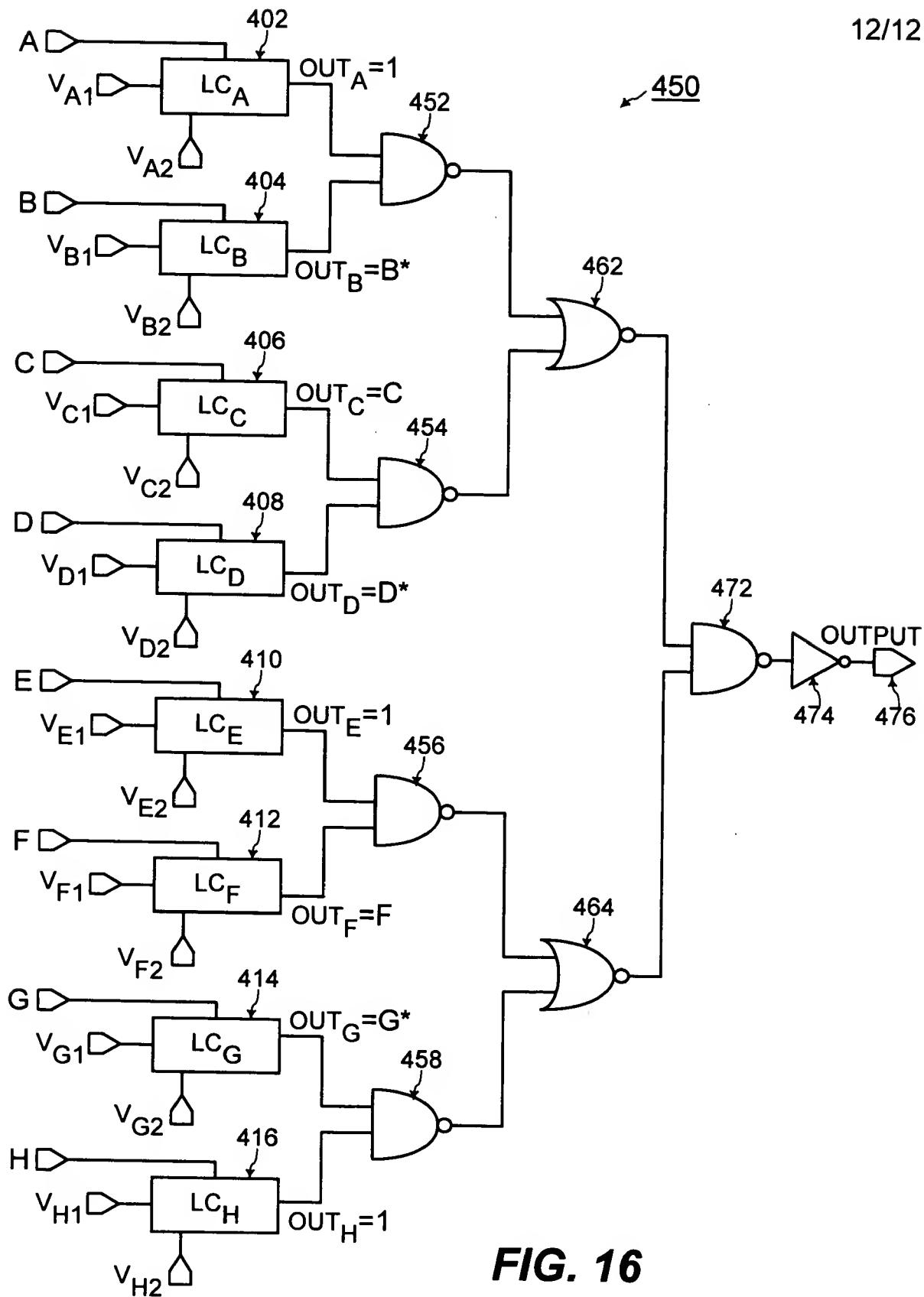


FIG. 16